

Carbonation in the processes can be conducted with any conventional carbonation method, such as storage with CO₂ headspace or impinging with CO₂ gas. Carbonation generally consists from 1.0 to 4.5 volumes of gas.

CLAIMS

I claim:

1. A clear/translucent, carbonated or noncarbonated, alcohol containing beverage containing protein supplementation, vitamin supplementation, mineral supplementation, antioxidants, flavoring, sweeteners and buffering agents.
2. A beverage according to claim 1, wherein the beverage contains between 0.45% and 40% alcohol by volume.
3. A beverage according to claim 1, wherein the beverage is fortified with highly nutritious and highly bioavailable supplemental protein added in final concentrations in the beverage from 0.33% to 5% by weight.
4. A beverage according to claim 3, wherein the supplemental protein consists of whey, casein, soy protein, rice protein, albumin, hydrolyzed protein, and/or highly branched chain amino acids (BCAAs).
5. A beverage according to claim 1, wherein the beverage is fortified with Vitamin A, Vitamin E, Vitamin C, Vitamin B1, Vitamin B2, Vitamin B6, and Vitamin B12 in the beverage at levels from 10% to 100% of the U.S. Recommended Daily Value.
6. A beverage according to claim 1 that contains supplemental addition of iron, calcium and zinc in concentrations of 0.01 to 0.5% by weight.
7. A beverage according to claim 1, wherein natural antioxidants such as vitamin C, vitamin E, and selenium are added.

8. A beverage according to claim 1, wherein said beverage is flavored with flavor extracts such as lemon, orange, grapefruit, lime, peach, guava, apple, cranberry, blueberry, grape, pineapple, cherry, strawberry, mango, papaya, peppermint, cinnamon, carrot, tomato, liquorice, coffee and coca.

9. A beverage according to claim 1 that contains the addition of fructose, corn syrup, sucrose, honey, glucose, sucralose, aspartame or stevia as sweeteners.

10. A beverage according to claim 1 that contains buffering agents such as citric acid, tartaric acid, malic acid, succinic acid, ascorbic acid, phosphoric acid, potassium phosphate and/or sodium phosphate in concentrations of 0.01 to 0.5% by weight.

11. A beverage according to claim 1 that contains supplemental addition of caffeine in concentrations of 0.01 to 0.5% by weight.

12. A beverage according to claim 1, wherein said beverage is clear and colored with food grade dyes such as FD&C yellow 5, FD&C red 40, FD&C blue 1, and FD&C red 3.

13. A beverage according to claim 1 that is carbonated with CO₂ gas.

14. A process for the production of an alcohol containing sport beverage consisting of mixing into water protein supplements, vitamin supplements, calcium, zinc and/or iron, natural antioxidants, fruit flavoring, sweeteners and buffering agents, followed by blending ethyl alcohol into the mixture to obtain a clear/translucent beverage.

15. A process for the production of an alcohol containing sport beverage wherein alcohol is produced by yeast fermentation, as part of a brewing process wherein barley malt grain is mashed, boiled in a brew kettle, the extract or wort is cooled and aerated, and yeast is added, yeast fermentation occurs, yeast is removed by filtration and centrifugation, and protein supplements, vitamin supplements, calcium, zinc and/or iron, natural antioxidants, fruit flavoring, sweeteners and buffering agents are added to obtain a clear/translucent beverage.